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lyzed, all have yielded leucine, proline, phenylalanine, aspartic acid, glutaminic acid, tyrosine, histidine, arginine, and ammonia. A fairly accurate analysis of arginine, histidine, and lysine has been made but not of most of the amino-acids.

The available data indicate a close connection between the chemical constitution of seed proteins and the biological relations of the plants producing them, though no two seeds are alike in respect to their protein constituents.

JANE R. CONDIT.

A GIFT TO TORREYA

A MEMORIAL TO MRS. JAMES McMANES

As a memorial to Mrs. James McManes, of Philadelphia, her daughter has given to *TORREYA* the sum of two hundred dollars to be used for illustrations, beginning with the present number. This generous gift will not only make the magazine more attractive in appearance, but, for the coming year at least, will make it possible to secure many interesting papers for which the authors rightly insist upon illustrations.

Mrs. McManes's interest in botany was well known to her intimate friends; and while it did not definitely influence her larger institutional endowments, it was evidenced by such gifts as the giant cycad which for years has attracted the attention of visitors at the University of Pennsylvania.

NEWS ITEMS

At the University of Kansas, F. U. G. Agrelius has been appointed instructor in botany.

Dr. Homer D. House has been appointed associate director in the Biltmore Forest School.

Mr. R. J. H. DeLoach, of the Georgia Experiment Station, has been made professor of the cotton industry in the Georgia Agricultural College.

Mr. George L. Fawcett was recently transferred from the United States Laboratory at Miami, Florida, to the Experiment Station at Mayaguez, Porto Rico.

Mr. R. E. Stone, instructor in botany at the Alabama Polytechnic Institute, has been appointed professor of botany at the University of Nebraska.

Dr. I. F. Lewis, who has been studying at Naples and Bonn, has resumed his duties as professor of biology at Randolph-Macon College, Ashland, Virginia.

The Johns Hopkins laboratory and greenhouse have been completed; the gardens now include about three hundred types of plants illustrating pollination, seed dispersal, plant structure, and vegetative adaptation.

Appointments in biology not previously announced in *TORREYA* are those of Dr. David R. Whitney as assistant at Northwestern University and Mr. Charles Packard as instructor at Williams College.

Professor Thomas H. Macbride, of the University of Iowa, has been appointed chairman of the Iowa Forestry Commission which will coöperate with the national organization in promoting scientific and practical forestry.

A recent crown commission has outlined a plan for Ireland which proposes planting about 700,000 acres with forest trees. This, with the 300,000 acres of existing forest, would give Ireland 1,000,000 acres of forest land.

Dr. Ernst A. Bessey, pathologist in the United States Department of Agriculture, has been elected to the professorship of botany in the University of Louisiana, at Baton Rouge. He assumed his new duties on October 20.

The following deaths have recently been announced: Dr. Ernst Loeb, botanist, Berlin, aged sixty-six years; Mr. M. D. Clos, director of the botanical garden of Toulouse; Mr. George Nicholson, a former curator of the Royal Gardens at Kew; and Dr. Paul Hennings, curator of the Royal Botanical Museum at Berlin.

Mr. Harry Day Everett, a former student of forestry at Cornell and Michigan and superintendent in the Philippine Forest Service, was murdered by natives in the island of Negros in the early summer. He was twenty-eight years of age.

Professor L. H. Bailey has been given leave of absence from the College of Agriculture, Cornell University, to devote his time to the chairmanship of the commission appointed by President Roosevelt to investigate social and economic conditions of rural life.

At the University of Maine the following appointments have been made : V. R. Gardner, M.S., assistant professor of horticulture ; C. E. Lewis, Ph.D., associate vegetable pathologist ; M. R. Curtis, M.A., assistant in biology ; H. N. Conser, M.S., instructor in botany ; E. M. Wallace, B.A., instructor in biology.

Professor Francis E. Lloyd, formerly of Teachers College, has accepted the position of professor of botany at the Alabama Polytechnic Institute. During the past year Professor Lloyd has been engaged in the investigation of the Mexican desert rubber plant, *Parthenium argentatum* A. Gray, for a Mexican rubber company.

The Central University of Equador at Quito desiring to increase its museums invites the correspondence of parties who wish to exchange for collections of Ecuadorian fauna, flora, etc. Those who wish to secure any particular specimen or collection have only to apply to the rector or the secretary of the Central University of Equador at Quito.

An additional construction appropriation of \$25,000 for the New York Botanical Garden, was approved in August ; it will be expended in continuing the construction of driveways and paths, principally on the eastern side of the grounds, in the completion of the grading operations necessary at the museum building, and in the extension of the system of water-supply and drainage.

The *Pourquoi Pas* left Havre August 16 on a second voyage to the Antarctic regions. Dr. François Charcot, the commander, expects to be absent about two years. The *Pourquoi Pas* will reach the region of southern ice, 800 kilometers south of Cape Horn, at the beginning of the austral summer, about December 15. The marine botanist and zoölogist of the staff is Dr. Jacques Liouville.

The Forest Service, as a result of a recent conference between representatives of the War Department and the Forest Service, has received requests from Fort Mead, South Dakota, and Fort Leavenworth, Kansas, for an examination of the forests at those posts. In 1908 working plans were made by the Forest Service for West Point, thus supplying the post with part of the necessary forest products, such as cordwood, hurdle poles, and tan bark. Similar plans have been made for the military forests at Rock Island, Illinois, at Pecatinny, New Jersey, and at Fort Wingate, New Mexico.

The Hudson River Forest Preserve is discussed by Dr. Edward L. Partridge in *Country Life in America* for September, urging action by the State rather than by the National Government. A bill, he says, will be introduced in the Legislature of New York at its next session to create a Forest Reservation in this region, and he rightly adds that to give an object-lesson in forest reservation no more suitable region could be selected. The proposed bill provides that the State shall exercise a certain forest supervision over an area of more than one hundred and twenty-five square miles through which the Hudson River passes.

The College of Agriculture, Cornell, has planned an "educational special," carrying several members of the faculty of the College of Agriculture, which is to be run on several lines in central and western New York, stopping to allow for forty-five minute talks to the farmers about improved methods of farming. Ten days will be spent on this trip, which is being fully advertized, that the farmers may be prepared to ask questions. According to the New York *Tribune* a similar experiment has been tried this month by the Pennsylvania Railroad Company, representatives of the Pennsylvania State College of Agriculture leaving Philadelphia November 10, for a three-day trip in eastern Pennsylvania.

The corrected program of the Darwin anniversary meeting of the American Association for the Advancement of Science* is practically complete. According to *Science* the papers (which will probably be presented on Friday, January 1) are as follows :

* In the June TORREYA the preliminary announcement was confused with that of the summer meeting of the A. A. A. S. at Hanover.

T. C. Chamberlain: Introductory remarks as president of the association.

Edward B. Poulton: "History of the Theory of Natural Selection since Darwin."

J. M. Coulter: "The Theory of Natural Selection from the Standpoint of Botany."

D. T. MacDougal: "The Direct Effect of Environment."

C. O. Whitman: "Determinate Variation."

C. B. Davenport: "Mutation."

W. E. Castle: "The Behavior of Unit Characters in Heredity."

D. S. Jordan: "The Isolation Factor."

C. H. Eigenmann: "Adaptation."

E. B. Wilson: "The Cell in Relation to Heredity and Evolution."

G. Stanley Hall: "Evolution and Psychology."

H. F. Osborn: "Recent Paleontological Evidence of Evolution."